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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/847,618	05/02/2001	Chung Chan	MTNC-107XX	5609
207	7590	11/05/2004	EXAMINER	
WEINGARTEN, SCHURGIN, GAGNEBIN & LEOVICI LLP TEN POST OFFICE SQUARE BOSTON, MA 02109			LIM, KRISNA	
			ART UNIT	PAPER NUMBER
			2153	

DATE MAILED: 11/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/847,618

Applicant(s)

CHAN, CHUNG

Examiner

Krisna Lim

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-16 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

**DETAILED ACTION**

1. Claims 1-32 are presented for examination.

***Election/Restrictions***

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-4, drawn to a mobile wireless data network comprising: a) a gateway server; b) a local database; c) an application for conducting an Internet search; and d) a mapping application to select the source of requested, classified in class 455, subclass 3.01
- II. Claims 5-7, drawn to an acceleration server comprising: a) a data tracking and document caching module; b) a data compression module to format; and c) a data conversion module, classified in class 709, subclass 247.
- III. Claims 8 and 16, drawn to a self-generating database stored in a cache of a proxy server comprising: a) an analysis module to examine an input database; b) a location-based module; and c) an interest-area module, classified in class 709, subclass 227.
- IV. Claim 9, drawn to a security management system for ensuring efficient security checking across Internet connections comprising: a) a security receiving module; b) a splitting module; c) a security module; d) a data handling module; and e) a synchronizing module, classified in class 380, subclass 42.
- V. Claims 10-15, drawn to a multi-media handheld device mapping application comprising: a) a variably detailed map sized and displayed on

a handheld screen; and b) at least one icon representing services  
desired displayed on the screen, classified in class 455, subclass 426.2.

2. Inventions I and II are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a mobile wireless data network comprising: a) a gateway server; b) a local database; c) an application for conducting an Internet search; and d) a mapping application to select the source of requested. See MPEP § 806.05(d).

3. Inventions I and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a mobile wireless data network comprising: a) a gateway server; b) a local database; c) an application for conducting an Internet search; and d) a mapping application to select the source of requested. See MPEP § 806.05(d).

4. Inventions I and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a mobile wireless data network comprising: a) a gateway server; b) a local database;

c) an application for conducting an Internet search; and d) a mapping application to select the source of requested. See MPEP § 806.05(d).

5. Inventions I and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention I has separate utility such as a mobile wireless data network comprising: a) a gateway server; b) a local database; c) an application for conducting an Internet search; and d) a mapping application to select the source of requested. See MPEP § 806.05(d).

6. Inventions II and III are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as an acceleration server comprising: a) a data tracking and document caching module; b) a data compression module to format; and c) a data conversion module. See MPEP § 806.05(d).

7. Inventions II and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as an acceleration server comprising: a) a data tracking and document caching module;

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b) a data compression module to format; and c) a data conversion module. See MPEP § 806.05(d).

8. Inventions II and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention II has separate utility such as an acceleration server comprising: a) a data tracking and document caching module; b) a data compression module to format; and c) a data conversion module. See MPEP § 806.05(d).

9. Inventions III and IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as a self-generating database stored in a cache of a proxy server comprising: a) an analysis module to examine an input database; b) a location-based module; and c) an interest-area module. See MPEP § 806.05(d).

10. Inventions III and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention III has separate utility such as a self-generating database stored in a cache of a proxy server comprising: a)

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an analysis module to examine an input database; b) a location-based module; and c) an interest-area module. See MPEP § 806.05(d).

11. Inventions IV and V are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be separately usable. In the instant case, invention IV has separate utility such as a security management system for ensuring efficient security checking across Internet connections comprising: a) a security receiving module; b) a splitting module; c) a security module; d) a data handling module; and e) a synchronizing module. See MPEP § 806.05(d).

12 For example, the searches for the four inventions would not be co-extensive because these groups would require different searches on PTO's classification class and subclass as following:

1) The Group I search (claims 1-4) would require use of search class 455, subclass 3.01 (which would not required for the groups II to V).

2) The Group II search (claims 5-7) would require use of search class 709, subclass 247 (which would not required for the groups I, III to V).

3) The Group III search (claims 8 and 16) would require use of search class 709, subclass 227 (which would not required for the groups I, II, IV and V).

4) The Group IV search (claim 9) would require use of search class 380, subclass 42 (which would not required for the groups I to III and V).

5) The Group V search (claims 10-15) would require use of search class 455, subclass 426.2 (which would not required for the groups I to IV)/

13. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

14. Applicant is reminded that the required for response to this requirement is **30 days, not one month.**

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references are cited in the Form PTO-892 for the applicant's review.

A shortened statutory period for response to this action is set to expire 3 (three) months and 0 (zero) days from the mail date of this letter. Failure to respond within the period for response will result in **ABANDONMENT** of the application (see 35 U.S.C 133, M.P.E.P 710.02, 710.02(b)).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Krisna Lim whose telephone number is (703) 305-9672. The examiner can normally be reached on Monday-Friday from 7:30 to 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Glenton Burgess, can be reached at (703) 305-4772. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-9700

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [glen.burgess@uspto.gov].

All Internet e-mail communication will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a



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possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirement of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Office Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

KI

October 26, 2004



KRISNA LIM  
PRIMARY EXAMINER

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